



17236 U.S. PTO

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PTO/SB/05 (08-03)

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

|                        |   |
|------------------------|---|
| Attorney Docket No.    | 21889-0001                                |
| First Inventor         | HESS, DONALD D.                           |
| Title                  | DEVICE AND METHOD FOR SHREDDING MATERIALS |
| Express Mail Label No. | ER 232052662 US                           |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 16]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
5. Oath or Declaration [Total Sheets 1]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Certificate of Express Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_ / \_\_\_\_

Prior application information: Examiner \_\_\_\_

Art Unit: \_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number

26587

OR ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

K. Scott O'Brian

Registration No. (Attorney/Agent)

42,946

Signature

Date

March 30, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

16235 U.S. PTO  
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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 394

| Complete if Known    |                |
|----------------------|----------------|
| Application Number   |                |
| Filing Date          | March 30, 2004 |
| First Named Inventor | HESS           |
| Examiner Name        | n/a            |
| Art Unit             | n/a            |
| Attorney Docket No.  | 21889-0001     |

| METHOD OF PAYMENT (check all that apply)  |              | FEE CALCULATION (continued)  |              |  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
|---|--------------|--|--------------|--|--------------|-----------------|----------|-----------------|----------|------|------|--------------------|-----|-------------------------------------|------|------|------|-------------------|----|---|------|------|------|------------------|-----|---------------------------|------|------|------|--------------------|-------|--|------|------|------|------------------------|------|---|--|--------------|--------------|----------------|----------|---|--------|------|------|-----|-------|--|---|--------------------|------|-----|-----|---|--------------|----------|----------|-----------------|----------|--|------|------|------|------------------------|-----|---|------|------|------|-----------------------------------|-------|--|------|------|------|---------------------------------------|-----|------------------|------|------|------|--|-----|--|------|------|------|--|-----|--------------------------|--|------|------|-------|-------|---|--|------|------|-----|----|----------------------------------|--|------|------|-------|-----|------------------------------------|--|------|------|-------|-----|--------------------------------|--|------|------|-----|-----|------------------|--|------|------|-----|-----|-----------------|--|------|------|-----|-----|-------------------------------|--|------|------|----|----|--------------------------------------|--|------|------|-----|-----|---|--|------|------|----|----|--|--|------|------|-----|-----|---|--|------|------|-----|-----|--|--|------|------|-----|-----|---|--|------|------|-----|-----|---|--|
| <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input type="checkbox"/> Deposit Account:<br>Deposit Account Number: <input type="text"/><br>Deposit Account Name: <input type="text"/><br>The Director is authorized to: (check all that apply)<br><input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments<br><input type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  |              | <b>3. ADDITIONAL FEES</b><br><table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>2051</td> <td>130</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>2052</td> <td>50</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet.</td> <td></td> </tr> <tr> <td>1053</td> <td>1053</td> <td>130</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>1812</td> <td>2,520</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>1804</td> <td>920*</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1805</td> <td>1,840*</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>2251</td> <td>110</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>2252</td> <td>420</td> <td>210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>2253</td> <td>950</td> <td>475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>2254</td> <td>1,480</td> <td>740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2255</td> <td>2,010</td> <td>1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>2401</td> <td>330</td> <td>165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>2402</td> <td>330</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>2403</td> <td>290</td> <td>145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1451</td> <td>1,510</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>2452</td> <td>110</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>2453</td> <td>1,330</td> <td>665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>2501</td> <td>1,330</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>2502</td> <td>480</td> <td>240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>2503</td> <td>640</td> <td>320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>1460</td> <td>130</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>1807</td> <td>50</td> <td>50</td> <td>Processing fee under 37 CFR 1.17 (q)</td> <td></td> </tr> <tr> <td>1806</td> <td>1806</td> <td>180</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>8021</td> <td>40</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809</td> <td>2809</td> <td>770</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>2810</td> <td>770</td> <td>385</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>2801</td> <td>770</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>1802</td> <td>900</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> </tbody> </table> |              | Large Entity   | Small Entity | Fee Code        | Fee (\$) | Fee Description | Fee Paid | 1051 | 2051 | 130                | 65  | Surcharge - late filing fee or oath |      | 1052 | 2052 | 50                | 25 | Surcharge - late provisional filing fee or cover sheet. |      | 1053 | 1053 | 130              | 130 | Non-English specification |      | 1812 | 1812 | 2,520              | 2,520 | For filing a request for reexamination |      | 1804 | 1804 | 920*                   | 920* | Requesting publication of SIR prior to Examiner action  |  | 1805         | 1805         | 1,840*         | 1,840*   | Requesting publication of SIR after Examiner action |        | 1251 | 2251 | 110 | 55    | Extension for reply within first month |   | 1252               | 2252 | 420 | 210 | Extension for reply within second month |              | 1253     | 2253     | 950             | 475      | Extension for reply within third month |      | 1254 | 2254 | 1,480                  | 740 | Extension for reply within fourth month |      | 1255 | 2255 | 2,010                             | 1,005 | Extension for reply within fifth month |      | 1401 | 2401 | 330                                   | 165 | Notice of Appeal |      | 1402 | 2402 | 330  | 165 | Filing a brief in support of an appeal |      | 1403 | 2403 | 290  | 145 | Request for oral hearing |  | 1451 | 1451 | 1,510 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 2452 | 110 | 55 | Petition to revive - unavoidable |  | 1453 | 2453 | 1,330 | 665 | Petition to revive - unintentional |  | 1501 | 2501 | 1,330 | 665 | Utility issue fee (or reissue) |  | 1502 | 2502 | 480 | 240 | Design issue fee |  | 1503 | 2503 | 640 | 320 | Plant issue fee |  | 1460 | 1460 | 130 | 130 | Petitions to the Commissioner |  | 1807 | 1807 | 50 | 50 | Processing fee under 37 CFR 1.17 (q) |  | 1806 | 1806 | 180 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 8021 | 40 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 2809 | 770 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 1810 | 2810 | 770 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 1801 | 2801 | 770 | 385 | Request for Continued Examination (RCE) |  | 1802 | 1802 | 900 | 900 | Request for expedited examination of a design application |  |
| Large Entity  | Small Entity | Fee Code   | Fee (\$)     | Fee Description  | Fee Paid     |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1051  | 2051         | 130  | 65           | Surcharge - late filing fee or oath  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1052  | 2052         | 50   | 25           | Surcharge - late provisional filing fee or cover sheet.                    |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1053  | 1053         | 130  | 130          | Non-English specification  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1812  | 1812         | 2,520  | 2,520        | For filing a request for reexamination                                     |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1804  | 1804         | 920*   | 920*         | Requesting publication of SIR prior to Examiner action                     |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1805  | 1805         | 1,840*   | 1,840*       | Requesting publication of SIR after Examiner action                        |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1251  | 2251         | 110  | 55           | Extension for reply within first month                                     |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1252  | 2252         | 420  | 210          | Extension for reply within second month                                    |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1253  | 2253         | 950  | 475          | Extension for reply within third month                                     |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1254  | 2254         | 1,480  | 740          | Extension for reply within fourth month                                    |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1255  | 2255         | 2,010  | 1,005        | Extension for reply within fifth month                                     |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1401  | 2401         | 330  | 165          | Notice of Appeal   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1402  | 2402         | 330  | 165          | Filing a brief in support of an appeal                                     |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1403  | 2403         | 290  | 145          | Request for oral hearing   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1451  | 1451         | 1,510  | 1,510        | Petition to institute a public use proceeding                              |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1452  | 2452         | 110  | 55           | Petition to revive - unavoidable   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1453  | 2453         | 1,330  | 665          | Petition to revive - unintentional   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1501  | 2501         | 1,330  | 665          | Utility issue fee (or reissue)   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1502  | 2502         | 480  | 240          | Design issue fee   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1503  | 2503         | 640  | 320          | Plant issue fee  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1460  | 1460         | 130  | 130          | Petitions to the Commissioner  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1807  | 1807         | 50   | 50           | Processing fee under 37 CFR 1.17 (q)                                       |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1806  | 1806         | 180  | 180          | Submission of Information Disclosure Stmt                                  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 8021  | 8021         | 40   | 40           | Recording each patent assignment per property (times number of properties) |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1809  | 2809         | 770  | 385          | Filing a submission after final rejection (37 CFR § 1.129(a))              |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1810  | 2810         | 770  | 385          | For each additional invention to be examined (37 CFR § 1.129(b))           |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1801  | 2801         | 770  | 385          | Request for Continued Examination (RCE)                                    |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1802  | 1802         | 900  | 900          | Request for expedited examination of a design application                  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| <b>1. BASIC FILING FEE</b><br><table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>2001</td> <td>770</td> <td>385</td> <td>Utility filing fee</td> <td>385</td> </tr> <tr> <td>1002</td> <td>2002</td> <td>340</td> <td>170</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003</td> <td>2003</td> <td>530</td> <td>265</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>2004</td> <td>770</td> <td>385</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>2005</td> <td>160</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table> <p align="right"><b>SUBTOTAL (1)</b> (\$) 385</p> |              | Large Entity   | Small Entity | Fee Code   | Fee (\$)     | Fee Description | Fee Paid | 1001            | 2001     | 770  | 385  | Utility filing fee | 385 | 1002                                | 2002 | 340  | 170  | Design filing fee |    | 1003  | 2003 | 530  | 265  | Plant filing fee |     | 1004                      | 2004 | 770  | 385  | Reissue filing fee |       | 1005                                   | 2005 | 160  | 80   | Provisional filing fee |      | <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b><br><table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>-20 **</td> <td>1</td> <td>9</td> </tr> <tr> <td>3</td> <td>-3 **</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="2">Multiple Dependent</td> <td></td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>2202</td> <td>18</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201</td> <td>2201</td> <td>86</td> <td>43</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203</td> <td>2203</td> <td>290</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>2204</td> <td>86</td> <td>43</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>2205</td> <td>18</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> </tbody> </table> <p align="right"><b>SUBTOTAL (2)</b> (\$) 9</p> |  | Total Claims | Extra Claims | Fee from below | Fee Paid | 21  | -20 ** | 1    | 9    | 3   | -3 ** | 0                                      | 0 | Multiple Dependent |      |     | 0   | Large Entity                            | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid | 1202                                   | 2202 | 18   | 9    | Claims in excess of 20 |     | 1201                                    | 2201 | 86   | 43   | Independent claims in excess of 3 |       | 1203                                   | 2203 | 290  | 145  | Multiple dependent claim, if not paid |     | 1204             | 2204 | 86   | 43   | ** Reissue independent claims over original patent |     | 1205                                   | 2205 | 18   | 9    | ** Reissue claims in excess of 20 and over original patent |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| Large Entity  | Small Entity | Fee Code   | Fee (\$)     | Fee Description  | Fee Paid     |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1001  | 2001         | 770  | 385          | Utility filing fee   | 385          |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1002  | 2002         | 340  | 170          | Design filing fee  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1003  | 2003         | 530  | 265          | Plant filing fee   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1004  | 2004         | 770  | 385          | Reissue filing fee   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1005  | 2005         | 160  | 80           | Provisional filing fee   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| Total Claims  | Extra Claims | Fee from below   | Fee Paid     |  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 21  | -20 **       | 1  | 9            |  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 3   | -3 **        | 0  | 0            |  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| Multiple Dependent  |              |  | 0            |  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| Large Entity  | Small Entity | Fee Code   | Fee (\$)     | Fee Description  | Fee Paid     |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1202  | 2202         | 18   | 9            | Claims in excess of 20   |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1201  | 2201         | 86   | 43           | Independent claims in excess of 3  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1203  | 2203         | 290  | 145          | Multiple dependent claim, if not paid                                      |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1204  | 2204         | 86   | 43           | ** Reissue independent claims over original patent                         |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| 1205  | 2205         | 18   | 9            | ** Reissue claims in excess of 20 and over original patent                 |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |
| <p align="center">**or number previously paid, if greater; For Reissues, see above</p>  |              | <p>Other fee (specify) _____</p> <p>*Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3)</b> (\$) 0</p>   |              |  |              |                 |          |                 |          |      |      |                    |     |                                     |      |      |      |                   |    |   |      |      |      |                  |     |                           |      |      |      |                    |       |  |      |      |      |                        |      |   |  |              |              |                |          |   |        |      |      |     |       |  |   |                    |      |     |     |   |              |          |          |                 |          |  |      |      |      |                        |     |   |      |      |      |                                   |       |  |      |      |      |                                       |     |                  |      |      |      |  |     |  |      |      |      |  |     |                          |  |      |      |       |       |   |  |      |      |     |    |                                  |  |      |      |       |     |                                    |  |      |      |       |     |                                |  |      |      |     |     |                  |  |      |      |     |     |                 |  |      |      |     |     |                               |  |      |      |    |    |                                      |  |      |      |     |     |   |  |      |      |    |    |  |  |      |      |     |     |   |  |      |      |     |     |  |  |      |      |     |     |   |  |      |      |     |     |   |  |

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|-------------------|------------------|-----------------------------------|----------------|
| Name (Print/Type) | K. Scott O'Brian | Registration No. (Attorney/Agent) | 42,945         |
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